

## Refine Search

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Terms	Documents
L1 same list\$3	7

Database:

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US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

Search:

L3

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Recall Text  Clear Interrupt

### Search History

DATE: Thursday, April 01, 2004 [Printable Copy](#) [Create Case](#)

Set  
Name Query  
side by  
side

DB=USPT; PLUR=YES; OP=OR

	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
L3 L1 same list\$3	7	<u>L3</u>
L2 L1 same list	5	<u>L2</u>
L1 ((description or configuration) near5 (device or module or unit or peripheral)) same dock\$3	400	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L3	0

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**Search:** L4

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side by side			
DB=USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
<u>L4</u>	L3	0	<u>L4</u>
DB=USPT; PLUR=YES; OP=OR			
<u>L3</u>	L1 same list\$3	7	<u>L3</u>
<u>L2</u>	L1 same list	5	<u>L2</u>
<u>L1</u>	((description or configuration) near5 (device module or unit or peripheral)) same dock\$3	400	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L3 or L9	41

**Database:**

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
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JPO Abstracts Database
Derwent World Patents Index
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L10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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[Set](#)

[Name Query](#)

side by

side

*DB=USPT; PLUR=YES; OP=OR*

L10 l3 or L9

L9 L8 and (list or file or record)

L8 L6 and ((portable or handheld or desktop or personal) adj1 computer)

L7 L6 and computer

L6 l1 and L5

L5 710/303,300,304,302,72,104;709/220,250;713/300;361/683,729,686,727;235/472.01,472.02;708/

*DB=USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

L4 L3

*DB=USPT; PLUR=YES; OP=OR*

L3 L1 same list\$3

L2 L1 same list

L1 ((description or configuration) near5 (device module or unit or peripheral)) same dock\$3

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**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.

**Search** Check to search within this result set**Results Key:****JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard**1 A cooperative approach to support software deployment using the Software Dock**

*Hall, R.S.; Heimbigner, D.; Wolf, A.L.;*  
Software Engineering, 1999. Proceedings of the 1999 International Conference on , 16-22 May 1999  
Pages:174 - 183

[\[Abstract\]](#)   [\[PDF Full-Text \(1100 KB\)\]](#)   IEEE CNF**2 A router architecture for real-time communication in multicomputer networks**

*Rexford, J.; Hall, J.; Shin, K.G.;*  
Computers, IEEE Transactions on , Volume: 47 , Issue: 10 , Oct. 1998  
Pages:1088 - 1101

[\[Abstract\]](#)   [\[PDF Full-Text \(500 KB\)\]](#)   IEEE JNL**3 A framework for analyzing configurations of deployable software systems**

*Heimbigner, D.; Hall, R.S.; Wolf, A.L.;*  
Engineering of Complex Computer Systems, 1999. ICECCS '99. Fifth IEEE International Conference on , 18-21 Oct. 1999  
Pages:32 - 42

[\[Abstract\]](#)   [\[PDF Full-Text \(104 KB\)\]](#)   IEEE CNF**4 Extended AEI applications and integration into on-dock intermodal information and operations network**

*Mehlberg, U.;*  
TransTech Conference, 1995. Proceedings, 1995 Pacific Rim , 30 July-2 Aug.

Pages:107 - 112

[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) IEEE CNF

---

**5 A family competition evolutionary algorithm for automated docking flexible ligands to proteins**

*Jinn-Moon Yang; Cheng-Yan Kao;*

Information Technology in Biomedicine, IEEE Transactions on , Volume: 4 , Is 3 , Sept. 2000

Pages:225 - 237

[\[Abstract\]](#) [\[PDF Full-Text \(476 KB\)\]](#) IEEE JNL

---

**6 An improved impedance-boundary algorithm for Fourier split-step solutions of the parabolic wave equation**

*Dockery, D.; Kuttler, J.R.;*

Antennas and Propagation, IEEE Transactions on , Volume: 44 , Issue: 12 , D 1996

Pages:1592 - 1599

[\[Abstract\]](#) [\[PDF Full-Text \(752 KB\)\]](#) IEEE JNL

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**7 A novel system for underwater docking in difficult situations**

*Xiaodong Wang; Qingxin Meng;*

Computational Intelligence in Robotics and Automation, 2001. Proceedings 2001 IEEE International Symposium on , 29 July-1 Aug. 2001

Pages:543 - 548

[\[Abstract\]](#) [\[PDF Full-Text \(440 KB\)\]](#) IEEE CNF

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**8 Time-to-X: analysis of motion through temporal parameters**

*Burlina, P.; Chellappa, R.;*

Computer Vision and Pattern Recognition, 1994. Proceedings CVPR '94., 1994 Computer Society Conference on , 21-23 June 1994

Pages:461 - 468

[\[Abstract\]](#) [\[PDF Full-Text \(592 KB\)\]](#) IEEE CNF

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**9 Spacecraft lighting systems**

*Wheelwright, C.D.; Toole, J.R.;*

Industry Applications Society Annual Meeting, 1992., Conference Record of the 1992 IEEE , 4-9 Oct. 1992

Pages:1840 - 1845 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(332 KB\)\]](#) IEEE CNF

---

**10 Management of technical and performance risk... system engineeri**

*Hayward-Williams, C.;*

Developments in Mass Transit Systems, 1998. International Conference on (C Publ. No. 453) , 20-23 April 1998

Pages:114 - 117

[\[Abstract\]](#) [\[PDF Full-Text \(344 KB\)\]](#) IEE CNF

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First Hit    Fwd Refs  

L3: Entry 2 of 7

File: USPT

Aug 6, 2002

DOCUMENT-IDENTIFIER: US 6430581 B1

TITLE: Automated court document docketing filing system

Detailed Description Text (6):

FIG. 5 is a block diagram of the system of this invention. The system comprises: a secure document acceptor 50; a data center 51; and a financial center 52. Secure document acceptor 50 comprises: a filer interface 53 that includes a personal computer keyboard and a touch screen display; a computer/systems controller 54 that is coupled to interface 53; a debit/credit card module 55 that is coupled to controller 54; a cash module 56 that is coupled to controller 54; a document scanner 57 that is coupled to controller 54; a secure metering module 58 that is coupled to controller 54; a document marking and holding module 59 (which includes a printer) that is coupled to controller 54, module 59 will be more fully described in the description of FIG. 6; a document storage module 60 that is coupled to controller 54, a transport module 47 that is coupled to controller 54; current rates and fees data base 44 that is coupled to controller 54; a docket data base 48 (which contains all of the previously used docket numbers and a list of docket numbers that may be used) that is coupled to controller 54; a receipt printer 61 that is coupled to controller 54; and a data link 62 (data link 62 includes an Electronic Interface Unit [EIU] and a modem) that is coupled to controller 54 and modems 63 and 64. Documents are moved from module 59 to module 60 after printer 78 (FIG. 6) affixes stamp 25 to a document 30 (FIG. 3). It would be obvious to one skilled in the art that printers 78 and 61 may be combined into one printer that performs the tasks of printers 78 and 61. An example of data link 62 is the B900 Data Link Electronic Interface Unit manufactured by Pitney Bowes of Stamford, Conn.

First Hit Fwd Refs **Generate Collection** **Print**

L3: Entry 2 of 7

File: USPT

Aug 6, 2002

US-PAT-NO: 6430581

DOCUMENT-IDENTIFIER: US 6430581 B1

TITLE: Automated court document docketing filing system

DATE-ISSUED: August 6, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mahoney; Patrick D.	New Rochelle	NY		
Doeberl; Terrence M.	West Redding	CT		
Sansone; Ronald P.	Weston	CT		
Reichman; Ronald	Trumbull	CT		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Pitney Bowes Inc.	Stamford	CT			02

APPL-NO: 09/ 058026 [PALM]

DATE FILED: April 10, 1998

## PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS Reference is made to commonly assigned co-pending patent applications: Ser. No. 09/058,025 filed herewith entitled "Electronic Automated Court Document Docketing Filing System" in the name of Patrick D. Mahoney, Terrence M. Doeberl, Ronald P. Sansone and Ronald Reichman.

INT-CL: [07] G06 F 15/00, G06 F 17/21

US-CL-ISSUED: 707/500; 705/407, 235/375

US-CL-CURRENT: 715/500; 235/375, 705/407

FIELD-OF-SEARCH: 177/2, 364/401, 705/407, 705/51, 705/1, 705/9, 705/7, 705/4, 707/530, 707/500, 709/206, 382/306, 235/375, 713/179

## PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

**Search Selected** **Search ALL** **Clear**

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4597330</u>	July 1986	Hill et al.	101/93.01
<input type="checkbox"/> <u>4926325</u>	May 1990	Benton et al.	705/39

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<input type="checkbox"/>	<u>5159180</u>	October 1992	Feiler	235/375
<input type="checkbox"/>	<u>5329447</u>	July 1994	Leedom, Jr.	705/9
<input type="checkbox"/>	<u>5586037</u>	December 1996	Gil et al.	705/407
<input type="checkbox"/>	<u>5656799</u>	August 1997	Ramsden et al.	177/2
<input type="checkbox"/>	<u>5671282</u>	September 1997	Wolff et al.	713/179
<input type="checkbox"/>	<u>5845256</u>	December 1998	Pescitelli et al.	705/4
<input type="checkbox"/>	<u>5848202</u>	December 1998	D'Eri et al.	382/306
<input type="checkbox"/>	<u>5875431</u>	February 1999	Heckman et al.	705/7
<input type="checkbox"/>	<u>5903646</u>	May 1999	Rackman	705/51
<input type="checkbox"/>	<u>5944787</u>	August 1999	Zoken	709/206
<input type="checkbox"/>	<u>5956687</u>	September 1999	Wamsley et al.	705/1

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
29605986	January 1997	DE	
19735563	February 1999	DE	
1466356	March 1972	GB	
7331902	December 1995	JP	

## OTHER PUBLICATIONS

Schweinitz et al., Republic of Germany, Patent No. DE 296 05 986 U1, issued Mar. 30, 1996 (full English translation).\*

Mostofizadeh, Javad, Reducing the Costs of Civil Litigation Using New Technologies [online], [retrieved on Mar. 31, 2000]. retrieved from Internet:<URL:<http://www.uschastings.edu/plri/fal95tex/newtech.html>>, pp. 1-33, 1995.\*

Greenspun, Phillip et al., Making way for intelligence in case space, ACM International Conference on Artificial Intelligence and Law, pp. 96-103, May 1995.\*

Asay, Alan, Electronic Filing of Case File Documents, Session No. 103, Fourth National Court Technology Conference (CTC4), pp. 1-5, Oct. 1994.\*

Katzenstein, Robert J, Esq., CLAD--Deleware's Paperless Docket, Session No. 103, Fourth National Court Technology Conference (CTC4), pp. 1-7, Oct. 1994.\*

The Electronic filing System [online website], Singapore Network Services, [retrieved from the Internet on Mar. 31, 2000], retrieved from Internet:<URL:<http://www.asainconnect.com/efs>>, pp. 1-8, 1997.\*

Adams, Susan, "For sole custody, touch here", [online], Forbes: On The Docket: Divorce, American style, [retrieved from the Internet on Mar. 31, 2000], screenshots retrieved from Internet:<URL:<http://www.forbes.com/forbes/97/0707/6001106a.htm>>, pp. 1-2, Jul. 1997.\*

Automated traffic offence management system, [online website], The Subordinate Courts Of Singapore, [retrieved from the Internet on Mar. 31, 2000], retrieved from Internet:<URL:<http://www.gov.sg/judiciary/subct/technology/atoms.html>>, pp. 1-2, 1997.

ART-UNIT: 2176

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PRIMARY-EXAMINER: Feild; Joseph H.

ASSISTANT-EXAMINER: Bashore; William L.

ATTY-AGENT-FIRM: Reichman; Ronald Chaclas; Angelo

ABSTRACT:

An automated court docketing system that supplies evidence of the time and date that a document was filed with the court. This invention also processes and accepts payment and generates a receipt reflecting the date/time of submission and payment of the required fees. When needed, a docket number is supplied.

21 Claims, 9 Drawing figures

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L3: Entry 3 of 7

File: USPT

Jan 2, 2001

DOCUMENT-IDENTIFIER: US 6170026 B1

TITLE: Mobile computing systems which automatically reconfigure to operate any devices attached to a docking module upon connection to the docking station

Detailed Description Text (23):

The mobile module also performs another operation upon removal and connection to a docking module, which is illustrated in FIGS. 9 and 9A. Specifically, each mobile module 11 is programmed to configure itself to work with the devices associated with the particular docking module 13 to which it is connected. Upon detecting the fact that the mobile module is to be shut down (see FIG. 9), the CPU of the mobile module gathers a list of all current devices associated with that docking module. It saves the device configuration for each device found until there are no more device configurations to save. At that point it exits the configuration routine illustrated in FIG. 9.

Detailed Description Text (24):

Upon reconnection to a docking module 13 (FIG. 9A), the mobile module CPU retrieves the list of previous devices and compares them to the list of devices associated with the present docking module. (The present docking module communicates the list of present devices to the mobile module either by means of a docking module descriptor, or by identifying each device specifically to the mobile module.) The CPU removes devices from the pre-existing list if they are not associated with the present docking module and continues this process until all missing devices are removed. It then retrieves the list of devices associated with the current docking module and organizes configuration information for those devices. Specifically, for each device to configure, the mobile module CPU first determines if this is a new device. If so, it checks to see if the device driver for that device is already installed in the mobile module. If it is not, the mobile module CPU fetches the device driver from the docking module (also called the base module).

First Hit    Fwd Refs
  

L3: Entry 3 of 7

File: USPT

Jan 2, 2001

US-PAT-NO: 6170026

DOCUMENT-IDENTIFIER: US 6170026 B1

TITLE: Mobile computing systems which automatically reconfigure to operate any devices attached to a docking module upon connection to the docking station

DATE-ISSUED: January 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kimura; Takayuki Dan	County of St. Louis	MO		
Chan; Kam Yuen	County of St. Louis	MO		
Chamberlain; Roger D.	County of St. Louis	MO		
Livingston; Richard A.	County of St. Louis	MO		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Modubility LLC	St. Louis	MO			02

APPL-NO: 09/ 098201 [PALM]

DATE FILED: June 16, 1998

INT-CL: [07] G06 F 13/10

US-CL-ISSUED: 710/62; 710/10, 710/19, 710/63, 710/104, 709/221, 713/100

US-CL-CURRENT: 710/62; 709/221, 710/10, 710/104, 710/19, 710/63, 713/100

FIELD-OF-SEARCH: 710/102, 710/103, 710/8, 710/10, 710/19, 710/62, 710/63, 710/104, 709/221, 713/100

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4038625</u>	July 1977	Tompkins et al.	
<input type="checkbox"/> <u>4345147</u>	August 1982	Aaron et al.	
<input type="checkbox"/> <u>4419616</u>	December 1983	Baskins et al.	
<input type="checkbox"/> <u>4527285</u>	July 1985	Kekas et al.	
<input type="checkbox"/> <u>4754397</u>	June 1988	Varaiya et al.	

<input type="checkbox"/>	<u>4899254</u>	February 1990	Ferchau et al.	
<input type="checkbox"/>	<u>5124696</u>	June 1992	Bosley	
<input type="checkbox"/>	<u>5229652</u>	July 1993	Hough	
<input type="checkbox"/>	<u>5278730</u>	January 1994	Kikinis	
<input type="checkbox"/>	<u>5311397</u>	May 1994	Harshberger et al.	
<input type="checkbox"/>	<u>5325046</u>	June 1994	Young et al.	
<input type="checkbox"/>	<u>5331509</u>	July 1994	Kikinis	
<input type="checkbox"/>	<u>5384808</u>	January 1995	Brunt	
<input type="checkbox"/>	<u>5386567</u>	January 1995	Lien et al.	
<input type="checkbox"/>	<u>5434396</u>	July 1995	Owen et al.	
<input type="checkbox"/>	<u>5455467</u>	October 1995	Young et al.	
<input type="checkbox"/>	<u>5471099</u>	November 1995	Larabell et al.	
<input type="checkbox"/>	<u>5484991</u>	January 1996	Sherman et al.	
<input type="checkbox"/>	<u>5524185</u>	June 1996	Na	
<input type="checkbox"/>	<u>5600800</u>	February 1997	Kikinis et al.	
<input type="checkbox"/>	<u>5621890</u>	April 1997	Notarianni et al.	
<input type="checkbox"/>	<u>5630163</u>	May 1997	Fung et al.	
<input type="checkbox"/>	<u>5636357</u>	June 1997	Weiner	
<input type="checkbox"/>	<u>5694318</u>	December 1997	Miller et al.	
<input type="checkbox"/>	<u>5710930</u>	January 1998	Laney et al.	
<input type="checkbox"/>	<u>5727221</u>	March 1998	Walsh et al.	
<input type="checkbox"/>	<u>5734919</u>	March 1998	Walsh et al.	
<input type="checkbox"/>	<u>5781798</u>	July 1998	Beatty et al.	395/830
<input type="checkbox"/>	<u>5798951</u>	August 1998	Cho et al.	364/708.1
<input type="checkbox"/>	<u>5844472</u>	December 1998	Lee	340/438
<input type="checkbox"/>	<u>5887145</u>	March 1999	Harari et al.	
<input type="checkbox"/>	<u>5935259</u>	August 1999	Anderson	714/22
<input type="checkbox"/>	<u>5941965</u>	August 1999	Moroz et al.	710/101
<input type="checkbox"/>	<u>5964855</u>	October 1999	Bass et al.	710/103
<input type="checkbox"/>	<u>6003097</u>	December 1999	Richman et al.	710/8
<input type="checkbox"/>	<u>6043976</u>	March 2000	Su	361/686

ART-UNIT: 272

PRIMARY-EXAMINER: Lee; Thomas C.

ASSISTANT-EXAMINER: Du; Thuan

ATTY-AGENT-FIRM: Polster, Lieder, Woodruff &amp; Lucchesi, L.C.

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**ABSTRACT:**

A computing system includes a plurality of mobile modules, each having a multitude of possible computing states, and a plurality of docking modules, each docking module having an interface by means of which said docking module is capable of being removably connected to at least one of the powerless mobile modules. Each powerless mobile module has a central processing unit, a memory, a disk, and a docking interface, each powerless mobile module also having therein at least software for recording in that mobile module the state of that mobile module prior to that module being removed from connection to a docking module. The mobile module automatically reconfigures when connected to a docking module. It is preferred that the connection between the docking modules and the mobile modules be wireless. It is also preferred that the mobile module have no display permanently connected thereto.

18 Claims, 14 Drawing figures

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L3: Entry 4 of 7

File: USPT

Dec 7, 1999

DOCUMENT-IDENTIFIER: US 5999989 A  
TITLE: Plug-and-play

Detailed Description Text (94):

Following the PCI class code or device type code 408, a two-byte device node attributes field 410 provides information detailing whether the device may be disabled, configured, or is to be used in booting the operating system. The devices to be used in booting the operating system are the primary input, output, and IPL device. The device nodes attributes field is shown in more detail in FIG. 4A. The device node attributes field 410 also includes bits indicated whether the device is a docking station, whether the device is removable, and whether changes made to the device configuration are dynamic (taking effect immediately) or static (requiring reboot before taking effect). Following the device node attributes field 410, three substructures of indeterminate length contain lists of allocated resources 412, possible resources 414, and compatible devices 416.

First Hit    Fwd Refs
  

L3: Entry 4 of 7

File: USPT

Dec 7, 1999

US-PAT-NO: 5999989

DOCUMENT-IDENTIFIER: US 5999989 A

TITLE: Plug-and-play

DATE-ISSUED: December 7, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patel; Rahul	Houston	TX		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Compaq Computer Corporation	Houston	TX			02

APPL-NO: 08/ 877070 [PALM]

DATE FILED: June 17, 1997

INT-CL: [06] G06 F 13/00

US-CL-ISSUED: 710/1; 710/3, 710/4, 710/5

US-CL-CURRENT: 710/1; 710/3, 710/4, 710/5

FIELD-OF-SEARCH: 395/828, 395/829, 395/821, 710/8, 710/9, 710/1, 710/2, 710/3, 710/4, 710/5

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NO .	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5355489</u>	October 1994	Bealkowski et al.	395/700
<input type="checkbox"/> <u>5634075</u>	May 1997	Smith et al.	395/829
<input type="checkbox"/> <u>5655148</u>	August 1997	Richman et al.	395/828
<input type="checkbox"/> <u>5748980</u>	May 1998	Lipe et al.	395/828
<input type="checkbox"/> <u>5836013</u>	November 1998	Greene et al.	395/652

## OTHER PUBLICATIONS

Intel Corporation and Microsoft Corporation, Plug and Play ISA Specification,

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Version 1.0a, Mar. 15, 1994, pp. i-iii, 4-12 and 27-59.  
Compaq Computer Corporation, Phoenix Technologies Ltd., and Intel Corporation, Plug-and Play BIOS Specification, Version 1.0, Nov. 1, 1993, pp. 1-17 and 27-66.

ART-UNIT: 271

PRIMARY-EXAMINER: Auve; Glenn A.

ASSISTANT-EXAMINER: Vo; Tim T.

ATTY-AGENT-FIRM: Akin, Gump, Strauss, Hauer & Feld, L.L.P.

ABSTRACT:

The present invention enhances the robustness of the Plug-and-Play BIOS, and reduces the amount of ROM work required to support each product, by rearchitecting the static support, conflict resolution, and initialization of system board devices to combine such functionality into fewer software components having greater product independence.

37 Claims, 11 Drawing figures

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L3: Entry 6 of 7

File: USPT

Aug 17, 1999

DOCUMENT-IDENTIFIER: US 5940294 A

\*\* See image for Certificate of Correction \*\*

TITLE: System for assisting configuring a process control environment

Detailed Description Text (58):

When editing a module, the user selects the control hierarchy tab 316 from the main screen presentation and actuates the next button 332. The configuration assistant system 130 then causes the control hierarchy main choice screen presentation to be presented. The user then actuates the edit the modules in an area radio button and actuates the Next button 332. The configuration assistant system 130 then presents an areas select screen presentation which conforms to the Select screen layout and provides a list of areas. The user then selects an area and actuates the next button 332. The configuration assistant system 130 then causes a module choice screen presentation to be presented; the choices presented are add a new module and modify a module. For editing a module, the user then actuates the modify a modules radio button and actuates the Next button 332. The configuration assistant system 130 then presents a select screen which lists the modules for the current area. The user then selects the module to be edited and actuates the next button 332. The configuration assistant system 130 the presents a choice screen presentation, the choices are edit the properties or edit the configuration view. For editing a module, the user actuates a edit algorithm button (see FIG. 3B). The configuration assistant system 130 then causes a Control Studio system to be executed. The Control Studio system is discussed in more detail in cofiled application entitled in the application to Dove et al. entitled "System for Configuring a Process Control Environment" having attorney docket number M-3927, which application is hereby incorporated by reference in its entirety. After the module has been edited, control returns from the control studio system and a choice screen is presented asking whether the user wishes to configure the attributes of the module, configure another module in this area, configure another area or done configuring modules in this area. The user selects the done configuring modules choice and actuates the next button thus causing the configuration assistant system 130 to present the control hierarchy main choice screen presentation. The classes which present the dialog for this function are CSP88MainD, CSP88EditModuleD and CSP88EditOtherD.

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L3: Entry 6 of 7

File: USPT

Aug 17, 1999

US-PAT-NO: 5940294

DOCUMENT-IDENTIFIER: US 5940294 A

\*\* See image for Certificate of Correction \*\*

TITLE: System for assisting configuring a process control environment

DATE-ISSUED: August 17, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dove; Andrew P.	Austin	TX		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fisher-Rosemont Systems, Inc.	Austin	TX			02

APPL-NO: 08/ 631458 [PALM]

DATE FILED: April 12, 1996

## PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This application is related to copending application by Nixon et al., entitled "A Process Control System Using Standard Protocol Control of Standard Devices and Nonstandard Devices", filed on even date herewith U.S. patent application No. 08/631,862, now U.S. Pat. No. 5,828,857 which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "A Process Control System for Versatile Control of Multiple Process Devices of Various Device Types", filed on even date herewith (U.S. patent application Ser. No. 08/631,521), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "A Process Control System for Monitoring and Displaying Diagnostic Information of Multiple Distributed Devices", filed on even date herewith (U.S. patent application Ser. No. 08/631,557 ), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "Process Control System Including Automatic Sensing and Automatic Configuration of Devices", filed on even date herewith (U.S. patent application Ser. No. 08/631,519), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "A Process Control System User Interface Including Selection of Multiple Control Languages", filed on even date herewith (U.S. patent application Ser. No. 08/631,517), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "Process Control System Using a Control Strategy Implemented in a Layered Hierarchy of Control Modules", filed on even date herewith (U.S. patent application Ser. No. 08/631,520 ), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is

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INT-CL: [06] G05 B 19/42

US-CL-ISSUED: 364/188; 364/131, 364/189, 364/191, 395/200.02, 395/200.05

US-CL-CURRENT: 700/83; 709/208, 709/249

FIELD-OF-SEARCH: 364/191, 364/188, 364/157, 364/165, 364/164, 364/163, 364/138, 364/139, 364/551.01, 364/551.02, 364/552, 395/161, 395/155, 395/156, 395/159, 395/160, 395/200.02, 395/200.01, 395/200.05, 395/200.1, 365/226, 365/189, 365/185.33, 365/218, 365/230.01, 365/94, 365/900, 371/20.1, 371/11.2, 371/29.5, 371/32, 235/150.1, 370/85.1, 345/965, 345/966, 345/967, 345/968

PRIOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

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<input type="checkbox"/> <u>3665172</u>	May 1972	Spaargaren et al.	235/150.1
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	<u>5566320</u>	October 1996	Hubert	395/474

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<input type="checkbox"/> <u>5594858</u>	January 1997	Blevins	395/326
<input type="checkbox"/> <u>5621871</u>	April 1997	Jaremko et al.	395/141

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Robert R. Lyons, "New Telemecanique Programmable Controllers Feature Multiple Programming Languages", Telemecanique, Arlington Heights, IL, Feb. 11, 1995.  
Clifford J. Peshek et al., "Recent Developments and Future Trends in PLC Programming Languages and Programming Tools for Real-Time Control", IEEE Cement Industry Technical Conference, May 1993, Toronto, Canada, pp. 219-230.  
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Moore Products Co., "Apacs Control System", POWER Jun., 1995, p. 81, vol. 139, No. 6, Copyright 1995, McGraw-Hill, Inc.

ART-UNIT: 276

PRIMARY-EXAMINER: Gordon; Paul P.

ASSISTANT-EXAMINER: Patel; Ramesh

ATTY-AGENT-FIRM: Skjerven, Morrill, MacPherson, Franklin, &amp; Friel, L.L.P. Terrile; Stephen A.

## ABSTRACT:

A configuration assistant system is disclosed which guides a user through configuring a process control environment via a sequence of screen presentations. The configuration assistant system advantageously enables a process control designer or user to quickly and easily configure a process control environment. The screen presentations may be contained within a plurality of instructional sections to further assist the process control designer in configuring the process control environment.

46 Claims, 28 Drawing figures

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L3: Entry 6 of 7

File: USPT

Aug 17, 1999

US-PAT-NO: 5940294

DOCUMENT-IDENTIFIER: US 5940294 A

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TITLE: System for assisting configuring a process control environment

DATE-ISSUED: August 17, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dove; Andrew P.	Austin	TX		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fisher-Rosemont Systems, Inc.	Austin	TX			02

APPL-NO: 08/ 631458 [PALM]

DATE FILED: April 12, 1996

## PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This application is related to copending application by Nixon et al., entitled "A Process Control System Using Standard Protocol Control of Standard Devices and Nonstandard Devices", filed on even date herewith U.S. patent application No. 08/631,862, now U.S. Pat. No. 5,828,857 which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "A Process Control System for Versatile Control of Multiple Process Devices of Various Device Types", filed on even date herewith (U.S. patent application Ser. No. 08/631,521), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "A Process Control System for Monitoring and Displaying Diagnostic Information of Multiple Distributed Devices", filed on even date herewith (U.S. patent application Ser. No. 08/631,557 ), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "Process Control System Including Automatic Sensing and Automatic Configuration of Devices", filed on even date herewith (U.S. patent application Ser. No. 08/631,519), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "A Process Control System User Interface Including Selection of Multiple Control Languages", filed on even date herewith (U.S. patent application Ser. No. 08/631,517), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is related to copending application by Nixon et al., entitled "Process Control System Using a Control Strategy Implemented in a Layered Hierarchy of Control Modules", filed on even date herewith (U.S. patent application Ser. No. 08/631,520 ), which application is hereby incorporated by reference in its entirety, including any appendices and references thereto. This application is

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FIELD-OF-SEARCH: 364/191, 364/188, 364/157, 364/165, 364/164, 364/163, 364/138, 364/139, 364/551.01, 364/551.02, 364/552, 395/161, 395/155, 395/156, 395/159, 395/160, 395/200.02, 395/200.01, 395/200.05, 395/200.1, 365/226, 365/189, 365/185.33, 365/218, 365/230.01, 365/94, 365/900, 371/20.1, 371/11.2, 371/29.5, 371/32, 235/150.1, 370/85.1, 345/965, 345/966, 345/967, 345/968

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ART-UNIT: 276

PRIMARY-EXAMINER: Gordon; Paul P.

ASSISTANT-EXAMINER: Patel; Ramesh

ATTY-AGENT-FIRM: Skjerven, Morrill, MacPherson, Franklin, &amp; Friel, L.L.P. Terrile; Stephen A.

## ABSTRACT:

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46 Claims, 28 Drawing figures

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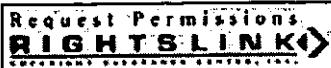
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## Extended AEI applications and integration into on-dock intermodal information and operations network

Mehlberg, U.

Port of Tacoma, WA, USA

*This paper appears in: TransTech Conference, 1995. Proceedings, 1995 Rim*

Meeting Date: 07/30/1995 - 08/02/1995

Publication Date: 30 July-2 Aug. 1995

Location: Seattle, WA USA

On page(s): 107 - 112

Reference Cited: 0

Inspec Accession Number: 5087866

### Abstract:

This document gives a basic **description** of a system which will dramatically reduce manual labor, reduce operational idle times in on-dock intermodal yards and turn-around times and car dispatch. This paper describes how automatic equipment identification (AEI) is used in conjunction with purpose specific PC software and data interchange (EDI) technology to dramatically reduce, and at certain case all manual inventory functions of intermodal railcars and their intermodal loads (containers and trailers) arriving in an on-dock intermodal rail yard. All existing hardware in this system is in existence and has been well proven for its intended applications. Software for tracking railcars on track has also been successfully developed and is under development at this time and the first phase will be implemented in the fall of 1995

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